

LIEBHERR

CONSTRUCTION EQUIPMENT



CATERPILLAR 769D 55500125 - Hydraulic System

Sample No: LH0260565

Oil Type: PETRO CANADA 30W



Radius Recycling Canada Ltd.
 12195 Musqueam Dr.
 Surrey, BC
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Sample Information

Sample Number	LH0260565	LH0260627	LH0260508	LH0250512
Sample Date	11 Mar 2024	09 Jan 2024	02 Nov 2023	28 Aug 2023
Machine Hours	37618	37329	37078	36828
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ATTENTION	ABNORMAL	ABNORMAL



Oil Condition

Visc @ 40°C	cSt	79.0	78.9	77.8	77.5



Contamination

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		12975	7324	16163	20010
Particles >6µm		230	111	342	238
Particles >14µm		11	5	28	21
ISO 4406:1999 (c)		21/15/11	20/14/10	21/16/12	22/15/12
Silicon	ppm	11	12	13	13
Sodium	ppm	1	1	1	1
Potassium	ppm	<1	8	0	<1

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



Wear Metals

Iron	ppm	11	11	12	11
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	<1	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	2	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	2	1	2
Nickel	ppm	2	3	3	2
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	2785	2792	2768	2703
Magnesium	ppm	30	30	28	24
Zinc	ppm	999	962	956	924
Phosphorus	ppm	873	882	852	871
Barium	ppm	<1	0	<1	0
Boron	ppm	3	3	4	4

Depot: AMISUR
 Unique No: 5760511
 Signed: Kevin Marson
 Report Date: 09 Apr 2024

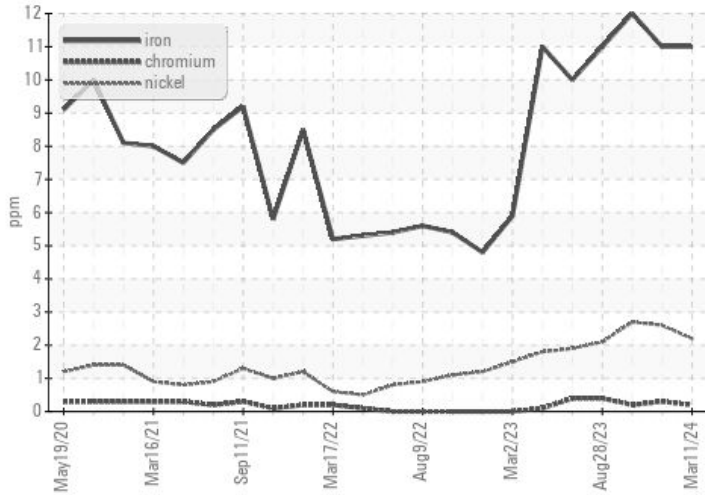
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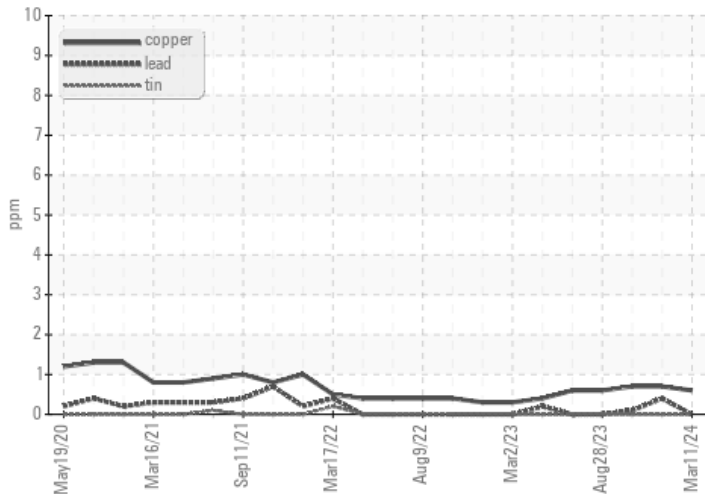


Graphs

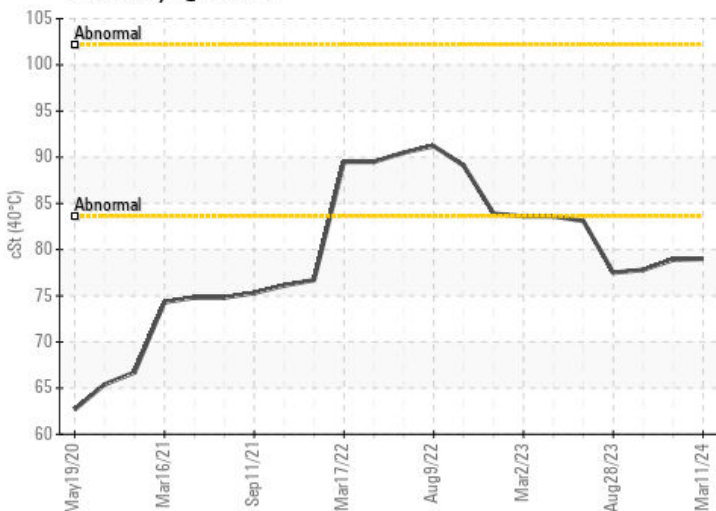
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

